

DS-300 Power Serie

Uninterruptible Power Supply
200-800kVA



Cold Start **High Input Power Factor** High efficiency up to 94% **External REPO switch input**
IGBT Transformerless Technology DSP Control.

Technical Specifications

- Low input current total harmonic distortion (THD)
- Static and maintenance bypass switch
- Output and by-pass short circuit and overload protection
- 192 events memory (192 events 4500 alarms)
- Clock and calender (battery supported)
- Automatic battery test, remaining battery time indicator
- Temperature compensated charge system
- Regenerative backfeed function
- 2 RS232 serial port and 12 dry contact outputs
- 3 DSP controlled modular structure
- Optional Graphical and touch panel
- CE, ISO9001, ISO14001 certification
- 2 years warranty
- 10 years spare parts support

Pf: 0,9
True On-line
3:3 Phase UPS
200-800 kVA

Specifications

MODEL	DS3200	DS3250	DS3300	DS3350	DS3400	DS3450	DS3500	DS3600	DS3800	
Power (kVA)	200	250	300	350	400	450	500	600	800	
INPUT										
Voltage	380/400 VAC 3P + N + G, ± 20% (optional 415 VAC (+15%, -25%))									
Frequency	50Hz / 60Hz adjustable, ± 5%									
Power factor (at 100% load)	≥ 0.99									
THDI	≤ 3%									
By-pass voltage	380/400 VAC 3P + N, ± 20%									
By-pass protection	Short circuit, Voltage & Frequency tolerance, VAT transfer system									
Voltage distortion	< 10%									
Protection	Fuses, Voltage & Frequency tolerance, Input power limit, Phase sequence indicator									
OUTPUT										
Power (kW)	180	225	270	315	360	405	450	540	720	
Power factor	0,9									
Voltage	380-400 VAC 3P + N + G, ± %1									
Frequency	50Hz / 60Hz (adjustable)									
Frequency tolerance	Line synchronized: ± 1% / Free running: ± 0,2% (adjustable)									
Efficiency (at 100% load)	up to 94%									
Crest factor	3:1									
Overload capacity	100% - 125% load: 10 min, 125% - 150% load: 1 min, > 150% load: by pass (adjustable)									
Other protections	Advanced short circuit, Voltage tolerance, DC balance, Regenerative load, Current limiting									
Voltage THD	< 3% (at 100% linear load)									
BATTERIES										
Type	VRLA AGM / GEL / NiCd									
Number of batteries	2x30: 60 pcs									
Charge voltage	2x405 VDC									
End of discharge voltage	2x300 VDC									
Battery cabinet	External									
Battery ambient temperature	25°C									
Protection	3 level alarms, Battery fuses, Charging current limit, Temperature compensation (optional)									
Battery test	Standard every 72 hours (adjustable)									
GENERAL										
Standards	EN62040-1, EN62040-2, EN62040-3									
User interface	TFT panel, 5 vector buttons, Buzzer									
Indicators	P-N voltage, P-P voltage, Current, Power, Crest Factor, Frequency, PF, Service Time									
Advanced	Self diagnostics, 3 maintenance time indicators, Calibration over RS232, operating hour meter									
Communication	2xRS232 serial ports, 4 standard and 8 optional DRY contact alarm relays									
Inputs	EPO input, Interactive battery panel input, Genset input									
Genset kit	Standard (programmable)									
Software	Standard T-Mon UPS Management (3 users + 1 server management)									
Alarm logging	Standard: with time & date 512 events									
Protection	Power module over-temperature, Over current, Temperature high alarm									
Working temperature range	0°C - 40°C									
Protection class	IP20									
Relative humidity	%90 max. (non-condensing)									
Altitude	< 1000m. above sea level									
Acoustic noise	< 68 dBA		< 72 dBA					< 73 dBA		
Net weight (kg)	482	550	638	737	780	1050	1250	1450		
Dimensions (mm) WxDxH	880x775x1900		1250x775x1900			1250x840x2040		1600x1020x1900		
Input/Output	110/208 VAC (up to 200 kVA)									
Transformer	Galvanic isolation transformer at the input & output									
Software	T-Mon Admin Multi UPS monitoring, T-Mon Server 50-100-200 clients DLOG log loader									
Adaptors	SNMP, MODBUS, RS485, Remote moni									
Parallel operation	up to 8									
Memory	Usb log memory									